

## **Animal Welfare Assurance for Domestic Institutions**

I, **Howard Zelaznik**, as named Institutional Official for animal care and use at Purdue University, provide assurance that this Institution will comply with the Public Health Service (PHS) Policy on Humane Care and Use of Laboratory Animals (Policy).

### **I. Applicability of Assurance**

This Assurance applies whenever this Institution conducts the following activities: all research, research training, experimentation, biological testing, and related activities involving live vertebrate animals supported by the PHS and NSF. This Assurance covers only those facilities and components listed below.

- A. The following are branches and components over which this Institution has legal authority, included are those that operate under a different name:

**Purdue University West Lafayette (and outlying farms)**  
**Purdue University Calumet**  
**Purdue University North Central**  
**Indiana University-Purdue University Ft. Wayne**

- B. The following are other institution(s), or branches and components of another institution:

**N/A**

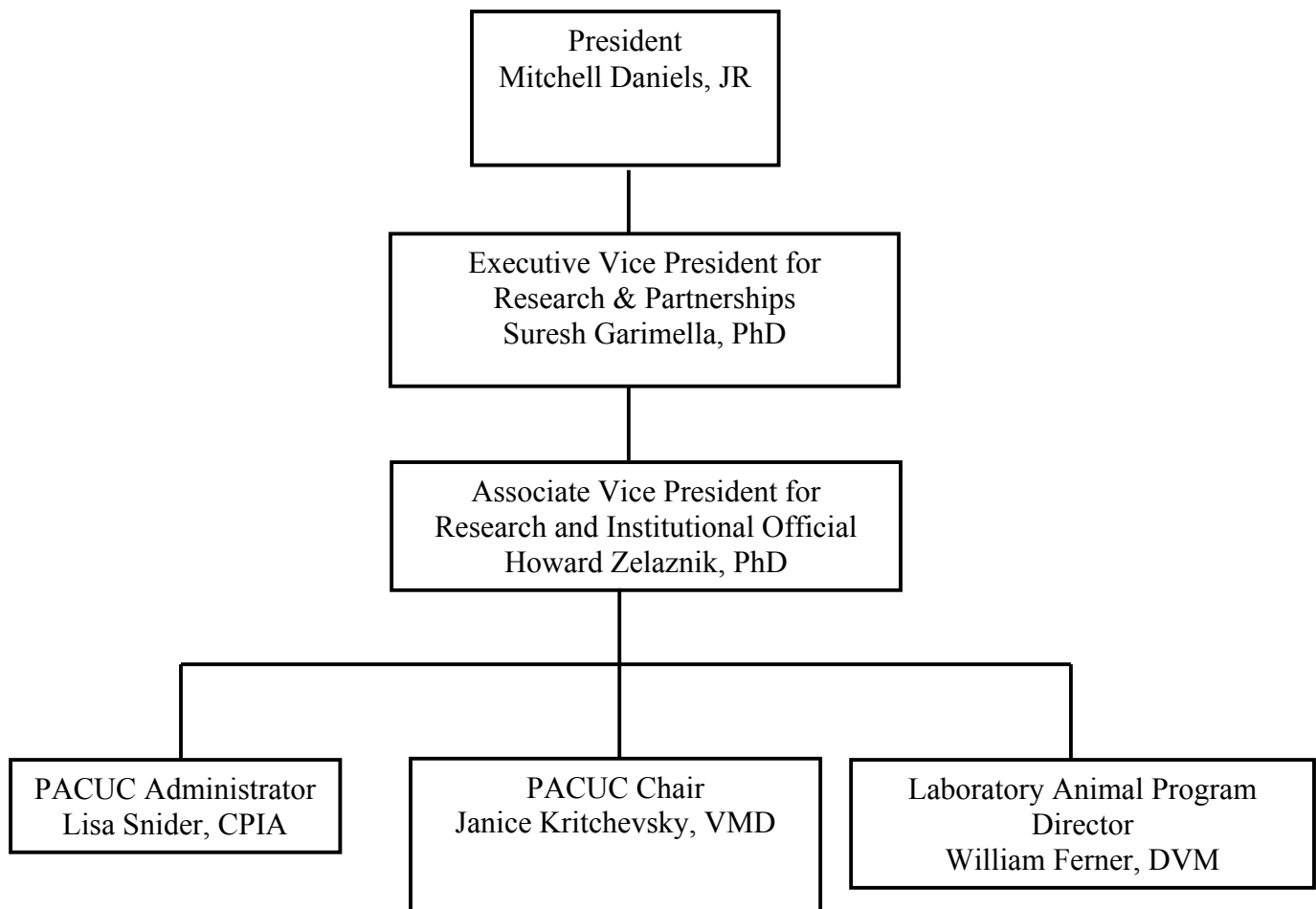
### **II. Institutional Commitment**

- A. This Institution will comply with all applicable provisions of the [Animal Welfare Act](#) and other Federal statutes and regulations relating to animals.
- B. This Institution is guided by the "[U.S. Government Principles for the Utilization and Care of Vertebrate Animals Used in Testing, Research, and Training](#)."
- C. This Institution acknowledges and accepts responsibility for the care and use of animals involved in activities covered by this Assurance. As partial fulfillment of this responsibility, this Institution will ensure that all individuals involved in the care and use of laboratory animals understand their individual and collective responsibilities for compliance with this Assurance, and other applicable laws and regulations pertaining to animal care and use.
- D. This Institution has established and will maintain a program for activities involving animals according to the *Guide for the Care and Use of Laboratory Animals* ([Guide](#)).
- E. This Institution agrees to ensure that all performance sites engaged in activities involving live vertebrate animals under consortium (sub-award) or subcontract agreements have an Animal Welfare Assurance and that the activities have Institutional Animal Care and Use Committee (PACUC) approval.

### **III. Institutional Program for Animal Care and Use**

- A. The lines of authority and responsibility for administering the program and ensuring compliance with the PHS Policy are as follows:







- B. The qualifications, authority, and percent of time contributed by the veterinarian(s) who will participate in the program are as follows:

**1) Name: William T. Ferner**

**Qualifications**

- **Degrees: DVM, DACLAM**
- **Training or experience in laboratory animal medicine or in the use of the species at the institution:**  
Thirty-four years training and experience in laboratory animal medicine. Director, Laboratory Animal Program (LAP) and Attending Veterinarian, Executive Vice President for Research and Partnerships (EVPRP). Delegated program responsibility for activities involving animals at the institute with respect to implementation of the Policy and recommendations in the Guide.

**Authority:** Dr. Ferner has direct program authority and responsibility for the Institution's animal care and use program including access to all animals.

**Time contributed to program:**

**100% University Appointment.**

**2) Name: Peggy O'Neil**

**Qualifications**

- **Degrees: DVM, MS**
- **Training or experience in laboratory animal medicine or in the use of the species at the institution:**  
Laboratory animal veterinarian at Purdue since December 2001. Received the D.V.M. degree from the University of California-Davis in 1986 and the M.S. degree in microbiology from the University of Missouri-Kansas City in 1976.

**Responsibilities:**

Delegated program responsibility for activities involving animals at the institute with respect to implementation of the Policy and recommendations in the Guide.

**Time contributed to program:**

**100% University Appointment.**

**3) Name: D. Lee Matthews**

**Qualifications**

- **Degrees: DVM**
- **Training or experience in laboratory animal medicine or in the use of the species at the institution:**  
Laboratory animal veterinarian at Purdue since July 2005. Received the D.V.M. degree from the University of Missouri.

**Responsibilities:**

Delegated program responsibility for activities involving animals at the institute with respect to implementation of the Policy and recommendations in the Guide.

**Time contributed to program:**

**100% University Appointment.**

In addition, some outlying farms utilize the services of private veterinary clinics. The responsibility of overseeing veterinary care, however, still rests with the Attending Veterinarian and the LAP veterinary staff.

It should also be noted that in the College of Veterinary Medicine, there will be many researchers/instructors with D.V.M. degrees who will provide clinical/medical care to their research subjects. In addition, veterinary care for large/farm research animals at the Animal Sciences Research and Education Center (ASREC) is for the most part



provided by the College of Veterinary Medicine clinicians. Again, assuring that care is provided rests with the Attending Veterinarian and the LAP veterinary staff.

The Director, LAP, as the Attending Veterinarian of record for Purdue University and as per the Federal Animal Welfare Act, has final authority and responsibility to insure that campus programs of veterinary care are adequate.

Purdue University provides the Attending Veterinarian the authority to oversee the adequacy of all aspects of animal care on the Purdue campus and the authority to ensure that adequate veterinary care and adequate pre- & post- procedural or surgical care, in accordance with current established veterinary medical and nursing practices, is provided at all times.

This authority is exercised in the following manner:

While the responsibility for providing clinical care may be delegated to another veterinarian, the Attending Veterinarian remains responsible for the care provided to all research, teaching, and testing animals at Purdue University. The Attending Veterinarian retains, at all times, the authority to immediately access the medical records of non-client, research, testing, and teaching animals to assess the care given.

Adequate veterinary care consists of appropriate methods to: prevent disease; survey, diagnose, treat, and control disease; manage protocol-associated disease, disability, or other sequelae; provide anesthesia and analgesia; perform surgery and provide post-surgical care; assess animal well-being; and perform euthanasia.

Methods of disease prevention, diagnosis, and therapy will be those currently accepted in veterinary practice.

All animals must be observed on a daily basis in order to assess their health and well-being (e.g., monitor for signs of illness, injury, or abnormal behavior). More frequent observations might be warranted, such as during postoperative recovery or when animals are ill or have a physical impairment.

The daily observation of animals is regularly performed by someone other than the Attending Veterinarian (e.g., animal care staff, research staff or by a person trained to recognize abnormal signs), but these individuals must provide direct and frequent communication to the Attending Veterinarian such that timely and accurate information on problems of animal health, behavior, and well-being is conveyed to the Attending Veterinarian. The Purdue University LAP veterinary staff is assigned the responsibility of assuring that corrective measures are provided once identified. Use of an Animal Health Evaluation Form or phone/email contact with the LAP veterinary staff is used to facilitate notification of the Attending Veterinarian of animal abnormalities for all animals on the Purdue campus except those maintained at the Animal Sciences Research and Education Center (ASREC) Farms. Veterinary clinical care for ASREC animals is provided by the Purdue University College of Veterinary Medicine, Department of Veterinary Clinical Sciences.

In addition to adequate veterinary care, the Attending Veterinarian has the authority to ensure the provision of and to oversee the adequacy of all other aspects of animal care and use on the Purdue campus. These other aspects include animal husbandry and nutrition, sanitation practices, zoonosis control, and hazard containment. This oversight includes the authority to access all animals at all times for evaluation of their health and well-being. Visits to animal housing, study and surgery areas are routinely scheduled by the LAP veterinary staff in order to assess the adequacy of veterinary care and other aspects of animal care associated with the use of research and teaching animals.

The Attending Veterinarian also has the responsibility of providing guidance and training to principal investigators and other research personnel involved in the care



**and use of animals regarding handling, immobilization, anesthesia, analgesia, tranquilization, and euthanasia in order to ensure that humane needs are met and are compatible with scientific requirements. This attending veterinarian responsibility is largely facilitated by the LAP Training Coordinator.**

- C. The IACUC (Purdue Animal Care and Use Committee – PACUC) at this Institution is properly appointed according to PHS Policy IV.A.3.a. and is qualified through the experience and expertise of its members to oversee the Institution's animal care and use program and facilities. The PACUC consists of at least 5 members, and its membership meets the composition requirements of PHS Policy IV.A.3.b. Attached is a list of the chairperson and members of the PACUC and their names, degrees, profession, titles or specialties, and institutional affiliations.

**See attached list. The PACUC at Purdue is properly appointed based on the Guides and the Animal Welfare Act.**

- D. The PACUC will:

- 1) Review at least once every 6 months the Institution's program for humane care and use of animals, using the *Guide* as a basis for evaluation. The PACUC procedures for conducting semiannual program reviews are as follows:

**The Purdue Animal Care and Use Committee (PACUC) reviews the results of facilities inspections, the minutes of PACUC meetings, the reports of the subcommittees, and all correspondence, both from within and outside the University that is related to program operations. The PACUC also reviews the program of veterinary care. In addition, the PACUC Administrator provides the PACUC with information about the number and status of new protocols, amendments to previously approved protocols, and re-reviews of protocols (e.g., triennial applications) that were considered by the PACUC during the six-month reporting period. At the conclusion of this process, the PACUC Administrator prepares a draft semi-annual report for review and comment by the members of the PACUC. This report covers PACUC membership, structure and operations, program facility use and development, training and educational activities, veterinary care, and the results of semi-annual facilities inspections, among other items. The report also identifies specifically any departures from the provisions of the *Guide* or from the *Public Health Service Policy on the Humane Care and Use of Laboratory Animals*, distinguishes minor deficiencies from significant deficiencies, and states the reasons for each significant departure. In addition, the results of semiannual facilities inspections with correction dates for all deficiencies and reasonable plans of corrective action are included as part of the report. PACUC utilizes the PHS Semi-Annual Checklist as an additional step to review all aspects of the animal care and use program. Furthermore, facilities that are accredited by AAALAC-I or other outside accrediting bodies are identified as are any changes in accreditation status. Each PACUC member receives a copy of this report approximately one week before the regularly-scheduled PACUC meetings that are held in January and July each year. Following review and approval at those meetings, a final report is prepared and forwarded to the Institutional Official. The PACUC has direct access to the Institutional Official, who is responsible for compliance at Purdue. Thus, the PACUC is able, at any time, to inform and make recommendations about any aspects of the program for animal care and use, facilities, or personnel training to the Institutional Official/Associate Vice President for Research.**

- 2) Inspect at least once every 6 months all of the Institution's animal facilities, including satellite facilities and animal surgical sites, using the *Guide* as a basis for evaluation. The PACUC procedures for conducting semiannual facility inspections are as follows:

**The PACUC Administrator (or designee) coordinates inspection teams that are comprised of at least two members of the PACUC. Each voting member of the PACUC is assigned to participate in inspections of different animal facilities on the**



West Lafayette and regional campuses. If a facility/lab houses USDA covered species, two voting members are assigned to inspect that area. Non-voting members of the PACUC may also be asked to participate in facilities inspections. The Fort Wayne representatives do participate in inspections on the West Lafayette campus. All PACUC members are invited to participate in semi-annual inspections.

Semi-annual facilities inspections are conducted according to the following format. The facility supervisor or designee will accompany the inspection team (whenever possible) during their visit and deficiencies will be pointed out and discussed with the facility supervisor as they are identified. At the conclusion of the inspection, the team members briefly discuss any deficiencies found. A formal report of the results of the inspection will be prepared by the PACUC Administrator and forwarded to the facilities supervisor on a timely basis. These reports are approved by PACUC at a monthly, convened meeting. That report will identify deficiencies as minor or significant and will specify plans of corrective action that note the date by which each item listed should be corrected. All deficiencies must be remedied by the correction dates specified in the report, unless a prior request for an extension of the correction date has been received and approved by the PACUC Administrator.

- 3) Prepare reports of the PACUC evaluations according to PHS Policy IV.B.3. and submit the reports to the Institutional Official. The PACUC procedures for developing reports and submitting them to the Institutional Official are as follows:

Reports of the PACUC that are forwarded to the Institutional Official are prepared by the PACUC Administrator with input from the PACUC Chair, the Attending Veterinarian, and other members of the PACUC. All reports developed are forwarded to the PACUC at a regularly convened meeting for review and approval (by signing the document) prior to a finished report being sent to the Institutional Official. These reports include the semi-annual programmatic review (to include minority reviews) which covers PACUC's adherence to the PHS Policy, the Guide, and the Animal Welfare Act and facility inspection reports (to include minor and significant deficiencies with dates to correct the deficiencies). Departures and deficiencies from the Guide and the PHS Policy are identified through protocol review, facility inspections, laboratory inspections, monthly LAP rounds, and protocol post-approval monitoring.

- 4) Review concerns involving the care and use of animals at the Institution. The PACUC procedures for reviewing concerns are as follows:

The following policy and procedures are used by the PACUC to help address reports of regulatory noncompliance or other animal welfare concerns. *The goal of this policy is to permanently correct any unsatisfactory situation as quickly as possible-not to penalize or impose sanctions.* A Whistle-Blowing/Report of Concerns Policy is posted in each area where animals are housed. The Policy is also posted on the PACUC website and it includes information on reporting to an Institutional hotline as well as the PACUC office directly.

**a. Policy on Reporting concerns to the PACUC.**

1. There are no restrictions on who can report concerns about animal care and use to the PACUC.
2. There will be no reprisals or threats of reprisals against those who report concerns.
3. Individuals may report concerns by phoning, writing or speaking directly with the Chair of the PACUC, the Director of the LAP or another LAP veterinarian, or the PACUC Administrator. It is also appropriate to transmit concerns via conversations or written messages to other PACUC members, or to the Institutional Official (i.e., the Assoc. Vice President for Research) or



- via the Purdue Hotline for reporting concerns.
4. Individuals reporting concerns will be asked to describe the nature of their concerns with as much detail as possible. Each report of concern should identify the facility/area that is the subject of concern, specify the location within that area of the animals that may be at risk, and when the actions that generated the concern took place. Persons reporting concerns may also be asked to evaluate the degree to which the risk to animals is immediate. In addition, these persons will be asked about any actions that they may have already taken to address the concerns and about the perceived outcome of those actions.
  5. The confidentiality of those reporting incidences of noncompliance or misuse will be protected. Anonymous reports are accepted.
- b. **Policy on investigating concerns reported to the PACUC:**
1. The information contained in the report of concerns will be relayed to the PACUC office as quickly as possible. The PACUC Chair and PACUC Administrator will ask a PACUC/LAP staff member to begin, within 24-hrs, a preliminary review of the concerns reported.
  2. The purpose of the preliminary review is to evaluate the substance of the allegation and to assess quickly any potential risks to the health and welfare of the animals that are the subject of the concern. If it involves potential risks to the animals, a LAP veterinarian may take one or more of the following steps:
    - a. Visit the facility under review.
    - b. Consult with or address questions to the principal investigator (PI) or other personnel who may have information relevant to evaluating and resolving the concern.
    - c. Take immediate action appropriate to removing threats to the health or well being of animals.
      - ☐ This data-gathering phase of the review will be conducted with discretion appropriate to protect not only the person who reported the concern, but also any person or persons that are the subject of the report.
  3. The PACUC/LAP staff member investigating a concern will provide the PACUC Chair with a report of the results of the preliminary investigation as soon as possible.
  4. The PACUC office will assess the extent to which the allegations made in the original complaint have been substantiated or disconfirmed. As part of this assessment, an LAP veterinarian will advise the Chair about whether or not conditions exist that pose risks to the health or welfare of animals.
- c. **Actions that can be taken to resolve concerns:**
1. In cases where there is little or no threat to the health or well being of animals, the Chair, Administrator, and/or LAP director, will act to resolve the concern by reviewing the relevant rules and regulations with parties involved or by providing training in animal care practices and procedures to remove the basis of the concern. In addition, the Chair, Director, or Administrator may ask the PI to voluntarily suspend animal care and use activities until completion of training or the satisfaction of other conditions has been documented. *The PACUC will be informed (by email or at a regularly scheduled meeting) of any actions taken by the Chair, Director, or Administrator and will have the opportunity to recommend further action.*
  2. The Chair may call an emergency meeting of the PACUC to consider problems that require immediate action. After hearing the report of concern and the results of the preliminary review, a majority of a quorum of the voting members of the PACUC may vote to:
    - a. suspend, in full or in part, the activities covered by a previously approved



protocol.

1. This action would be taken should the committee deem that results of the preliminary review provide sufficient evidence of serious noncompliance with federal regulations or University policies pertaining to the care and use of animals.
  2. The PI or his or her designated representative will be given prior notification of these actions. The PI will have the opportunity to explain or provide information about the circumstances pertaining to the concerns that have been reported.
  - b. ask PACUC/LAP staff to provide additional information regarding the concerns that have been reported.
  - c. appoint a subcommittee to investigate the situation further.
  - d. request that those against whom the complaint has been made have the opportunity to explain their actions before the full PACUC.
  - e. provide the IO with recommendations pertaining to the imposition of additional sanctions on individuals who have been found responsible for serious or repeated violations.
  - f. withhold approval of new protocol applications or requests for amendments until the concern has been resolved.
  - g. request that a LAP veterinarian assume control of the animals thereby removing them from threats to their health or welfare. In some cases, (e.g., where it is not possible to relieve conditions that harm or threaten to harm animals), a LAP veterinarian may be asked to euthanize animals.
  1. The PI or his or her designated representative will be given prior notification of these actions. The PI may avert these actions if he or she can substantiate, to the satisfaction of the Director of the LAP, that the conditions that posed risks to the animals have been removed permanently.
- 5) Make written recommendations to the Institutional Official regarding any aspect of the Institution's animal program, facilities, or personnel training. The procedures for making recommendations to the Institutional Official are as follows:

**This is accomplished in writing as part of the semi-annual program review. Additional communication during the periods that intervene between semi-annual reviews will take the form of meetings with or memoranda to the Associate Vice President for Research/IO regarding specific topics related to program operations.**

- 6) Review and approve, require modifications in (to secure approval), or withhold approval of PHS-supported activities related to the care and use of animals according to PHS Policy IV.C.1-3. The PACUC procedures for protocol review are as follows:

**Applications for approval of protocols (new or triennial) and for approval to make significant modifications to previously approved protocols must be completed by the principal investigator and submitted to the PACUC for review and approval prior to initiation of those activities.**

- a. **Protocol submission:** The protocol application is electronically submitted to the PACUC office via the Coeus on-line system. The PACUC Secretary (or designee) receives the protocol and provides a list of proposed projects to be reviewed to the entire PACUC via the Coeus system. The PACUC has five (5) working days to communicate electronically to the PACUC office if any member wishes the protocol to be reviewed by full committee review (FCR). This communication must be done through the Coeus system. If communication is not received, the protocol will be reviewed via the Designated Member Review (DMR) process.
- b. **Designated Member Review (DMR) of protocol applications after all members have been provided the opportunity to call for full committee review:** Review is



conducted by the Chair (or designee) and a LAP veterinarian. The responsibility for the third review is divided among the remaining members of the PACUC, with different members performing this function on a monthly basis. All designated member reviewers review identical versions of the protocol and if modifications are requested by any one of the reviewers then the other DMR's are made aware of and must agree with the modifications. This review has one of three potential outcomes.

1. **Approval.** This outcome is reserved for protocols that do not raise questions about animal care and use or about regulatory compliance and are received in approval-ready form.
  2. **Require modifications.** Reviewers may ask for additional information before determining whether a protocol application can be approved (Revisions Requested). The questions or comments of reviewers will be summarized in a question memo that is prepared by the PACUC Administrator (or designee) and forwarded to the PI or to his or her designate. Further consideration of the protocol application will be suspended until a response to the revisions requested memo is returned. The Chair (or designee), the LAP veterinarian, and the PACUC member that served as a DMR, evaluates the response and determines whether the protocol is ready for approval via DMR. If the protocol is not ready for approval based on the response to the revisions requested, the PI may receive another round of questions and this cycle will continue until such time that the DMR's are in agreement that the protocol is ready for approval. As approval cannot be withheld via designated member review, if the DMR's cannot agree to approve the protocol, it will be sent to the full committee for further review.
  3. **Refer to the full PACUC for review.** If a PACUC member performing DMR recommends full committee review (even after the full PACUC recommended DMR), the protocol application will be reviewed at a meeting of the full PACUC. The protocol application, along with the response to the memo, will be forwarded to each member of the PACUC at least one week prior to the meeting at which approval will be considered.
- c. **Procedures for Full Committee Review (FCR):** The PACUC convenes once per month on a 12-month basis unless there is no business to discuss. Under special circumstances, the PACUC may convene more often than once per month. Review of protocols at a meeting of the full PACUC can only begin if there is a quorum of the voting members of the PACUC present at the meeting. The Chair will also ask those present to indicate any potential conflicts of interest they may have pertaining to protocols listed on the agenda for the meeting. If a quorum exists after any person who has a potential conflict of interest is excused, consideration of a protocol can begin. At the conclusion of the discussion, a motion is formulated concerning the action the committee will take on the protocol. The members of the PACUC are then asked to vote on that motion. The PACUC may vote to adopt any one of the following categories of action:
1. **Approval:** A protocol will be approved only when the PACUC considers that all significant points and potential concerns have been addressed satisfactorily by the PI. Granting approval means that the PI has permission to conduct the project that was described, with the number of animals that were indicated, in the protocol, or in other communications from the PI that were considered by the members of the PACUC. The Committee may instruct the Administrator to communicate to the PI comments or remarks made during the discussion of the protocol. However, approval of the protocol is **not conditional** upon the response of the PI to this communication, nor is the PI required or expected to respond.
  2. **Require modifications:** This action will be taken when the full committee deems that specific aspects of the protocol may be problematic and require further explanation, justification, documentation, or information, but that the protocol does not have to return to the full committee for further review



and approval and can be approved by the DMR process. The Administrator (or designee) will attempt to communicate, as clearly as possible, these problematic areas to the PI. *When substantive information is lacking from a protocol (new or triennial), or amendment to a protocol, that has been sent to the full committee for review where the committee may have questions requiring a response from the PI before approval can be granted, the following action(s) may be taken if approved by the quorum present at the convened meeting. The PACUC may vote to require modifications to the protocol (new or triennial) or amendment before it can be approved and have the revised document reviewed and approved by the designated member review process. The designated member review must be conducted by the chair of PACUC (or designee) and the veterinarian (or designee) who performed the pre-review of the protocol.* This procedure is in agreement with the PACUC-approved Policy on DMR review after FCR review. Approval to conduct the activity described in the protocol will be withheld until the response of the PI has been judged to satisfy the conditions set forth previously by the committee. If the DMR's agree that the response of the PI addresses satisfactorily the issues raised at the PACUC meeting, the protocol will be approved. In cases where consensus among the DMR's cannot be obtained, evaluation of the revision and the decision to approve will be made, based on a majority vote at the next meeting of the full PACUC.

Approval will also be withheld when the PACUC considers that all significant points and potential concerns have been addressed satisfactorily by the PI, but that, specific administrative details, such as signatures of responsible parties, phone numbers, and information about submission to funding agencies are missing or need clarification. Approval will be granted when this type of information has been provided to the satisfaction of the PACUC Administrator. No further review by the Chair, LAP veterinarians, or other PACUC members is required.

The Committee may decide that they want a protocol to return to a full committee meeting for further discussion (i.e., not eligible to be approved by DMR). In this instance, it would be placed in Tabled status. The reason for the tabling action usually involves having insufficient information upon which to make a judgment about the protocol. A protocol may be tabled until the information needed by the committee is available. When a protocol is tabled, a *revisions requested* memo is sent to the PI, who then responds, and the revised protocol is returned to the full committee for further review at the next scheduled, convened meeting. For a tabled protocol, approval can only be granted by FCR.

3. **Disapproval:** The PACUC may vote to disapprove a protocol application. To appeal a decision to disapprove, the PI must present the PACUC with pertinent evidence or expert opinions in addition to those that were available when the decision to disapprove was made. This presentation shall be made by the PI, in writing or in person, at a regular meeting of the PACUC where a quorum of the voting members is present. The intention to appeal must be announced no less than ten (10) days prior to the PACUC meeting where the option to appeal will be executed.

- 7) Review and approve, require modifications in (to secure approval), or withhold approval of proposed significant changes regarding the use of animals in ongoing activities according to PHS Policy IV.C. The PACUC procedures for reviewing proposed significant changes in ongoing research projects are as follows:

**Requests for changes may take the form of an amendment to an approved protocol. Requests for amendments are subject to DMR or FCR, as described previously for new protocol applications.**



**Amendments to approved protocols.** Amendments are submitted to the PACUC office via the electronic Coeus system. The amendment is forwarded to the PACUC via Coeus. If the PACUC recommends the amendment be reviewed by the designated member review process, it will be reviewed as described above for protocols. If the PACUC recommends the amendment be reviewed by the full committee review process, it will be reviewed as described above for protocols.

Per federal regulations, approval by the PACUC is required prior to the implementation of any "significant" changes to a protocol. The PACUC uses the following list as a guide to determine what types of changes should be considered significant. Rather than being exhaustive, this list is used to indicate the general range of changes that should be considered for approval by the PACUC.

- **Changes in the overall objectives of the approved studies.**
- **Changes from non-survival to survival surgery or vice-versa.**
- **Changes that increase the pain or discomfort experienced by animals (e.g., increased restraint, restrictions on food or water intake, exposure to noxious or hazardous stimuli or materials).**
- **Changes in the anesthetic agent(s) or dose(s) or the method(s) of administering of anesthetic agents.**
- **Changes in the use of analgesics.**
- **Changes in the use of sedatives or tranquilizing drugs.**
- **Changes in the method of euthanasia.**
- **Changes in the species used.**
- **Increases in the number of procedures performed on an animal.**
- **Increases in the number of animals to be used.**
- **Modifications to a surgical procedure.**
- **Changes in the duration of a procedure that is performed on an animal (e.g., chronic rather than acute procedures or vice-versa, length of a behavioral test session).**
- **Changes in the housing or husbandry of animals.**
- **Changes in the frequency of procedures (e.g., blood sampling, drug administration, tissue biopsy, exposure to stimuli, number of repeated behavioral tests).**
- **Changes in the invasiveness of a procedure (e.g., utilized a catheter rather than a needle to obtain fluid samples, injected rather than administered as an oral form of a drug).**

- 8) Notify investigators and the Institution in writing of its decision to approve or withhold approval of those activities related to the care and use of animals, or of modifications required to secure PACUC approval according to PHS Policy IV.C.4. The PACUC procedures to notify investigators and the Institution of its decisions regarding protocol review are as follows:

**For each of the actions listed above and listed below, the PACUC Administrator (or designee) will communicate to the PI the decision of the PACUC, and will elucidate, as determined by the PACUC, any information or modifications that would be required to obtain approval or renewal. In cases where the unanimous vote of PACUC is for disapproval, the Administrator will inform the PI of this decision in a memo that also describes the Committee's reason for taking this action. The PACUC Administrator records all decisions regarding protocol review in the meeting minutes. Copies of the minutes from all PACUC meetings are sent to the Assoc. Vice President for Research, who is also the IO.**

- 9) Conduct continuing review of each previously approved, ongoing activity covered by PHS Policy at appropriate intervals as determined by the PACUC, including a complete review at



least once every 3 years according to PHS Policy IV.C.1.-5. The PACUC procedures for conducting continuing reviews are as follows:

- a. **Annual Review of Approved Protocols.** This review requires that PIs submit information about personnel changes, the number of animals used, the health status of animals, and about unexpected complications or difficulties that may have occurred during the previous 12-month period of approval. The PIs have been informed that significant changes from their originally approved protocols must be approved by the PACUC *before* they can be implemented. About a month before the anniversary of each protocol (excluding those protocols that are scheduled for more extensive triennial resubmission and review), the PI will be notified that the Annual Continuation Form must be completed using the Coeus electronic system. The review process for Annuals is the same as for new protocols described above.
- b. **Triennial resubmission and review of previously approved protocols.** Protocols are approved by the PACUC for a period of three years. To continue a project beyond this three-year approval period, the PI must submit a complete protocol application that is subject to the same review and approval process as is a new application (see above) and receive re-approval of the protocol prior to the 3-year approval period expiring. The Secretary of the PACUC will notify the PI about 90 days before the three-year anniversary date (i.e., the expiration date) of his or her approved protocol application. The PI should forward the triennial resubmission of his or her protocol application not less than 6 weeks prior to the expiration of the current protocol.
- c. **Post-Approval Monitoring Policy.** An important part of Purdue University's program for the care and use of animals used in research, teaching, or testing, is the meaningful monitoring of the protocols that have been approved by the PACUC. Protocol post-approval monitoring has been developed to contribute to this important oversight requirement. The protocol post-approval monitoring process may involve laboratory/site/farm visits to observe animal procedures being performed, evaluate record keeping, and discuss approved activities.

Protocol post-approval monitoring process and procedures: Protocol post-approval monitoring visits may be announced or unannounced. Post-approval monitoring visits will be conducted by one of the laboratory animal veterinarians (LAV) and the PACUC Administrator. Other PACUC/LAP personnel may be brought in as needed for specific areas of expertise (e.g., occupational health specialist, training coordinator, etc.). The approved protocols will be prioritized to determine the frequency and order of monitoring, based on the potential for pain and distress, significant personnel changes, and current activity of protocols. Problems or deficiencies noted on these visits will be corrected at the time the deficiency is noted and further training/education provided, if needed. A summary of these visits, and actions taken to correct the deficiency, will be reported to the PACUC by the LAV or PACUC Administrator at the next monthly meeting. Post-approval monitoring will be conducted using the Protocol Post-Approval Monitoring Form and a database will be utilized to aid in the prioritizing of protocols.

- 10) Be authorized to suspend an activity involving animals according to PHS Policy IV.C.6. The PACUC procedures for suspending an ongoing activity are as follows:

**Suspension of an activity requires a majority vote obtained at a meeting of the PACUC where a quorum is present. When a decision to suspend an activity has been approved, a written statement, that includes any minority opinions, will be prepared by the PACUC Administrator and sent to the principal investigator. The Institutional Official is copied on all such communication.**

- a. In cases, where the PACUC votes to suspend in full or in part, an activity covered by a protocol, pending the completion of an investigation, the PACUC



Administrator and/or Chair (or designee) will inform the IO. The IO will review the reasons for suspension and will provide a report to OLAW describing the suspension for those that are NIH and/or NSF funded.

- b. In cases where the PACUC votes to suspend a previously approved activity following completion of an investigation, the PACUC Administrator and/or Chair (or designee) will submit to the IO the reasons for the suspension and any recommendations that are made by the PACUC for corrective actions. The IO will use this information along with that obtained in discussions with the PACUC Administrator and/or Chair and other relevant parties to determine corrective actions and to formulate a report with full explanation to OLAW for those that are funded by NIH and/or NSF.

- E. The risk-based occupational health and safety program for personnel working in laboratory animal facilities and personnel who have frequent contact with animals is as follows:

**It is the policy of Purdue University to take every reasonable precaution to provide a work environment that is free from recognized hazards for its employees in accordance with the General Duty Clause of the Indiana Occupational Safety and Health Law (IC 22-8-1.1 Section 2). The Purdue University Biological Safety Manual provides information on work practices, procedures, and policies necessary to ensure the health and safety of individuals exposed to biohazardous agents in the workplace.**

**Purdue University has an established Institutional Biosafety Committee with the responsibility to promote safe and proper biohazard management at all Purdue University campuses and related facilities.**

**The Biological Safety Program applies to all personnel at Purdue University's West Lafayette campus and Regional campuses, University research farms and agricultural centers, and related facilities and operations engaged in the use of biohazardous agents.**

**The Animal Exposure Occupational Health Program (AEOHP) is an important part of Purdue University's institutional animal care program. This program, operated through the Office of the Vice President for Research and Partnerships (EVPRP), the Purdue Animal Care and Use Committee, and the Office of the Vice President for Physical Facilities, is designed to protect both Purdue personnel and animals. The following information is an introduction to the current AEOHP and provides information and training to individuals with animal exposure concerning the risks associated with that exposure. The requirements of the AEOHP are based on guidelines in the NIH *Guide for the Care and Use of Laboratory Animals*.**

**The department responsible for monitoring the program is the EVPRP office. An Occupational Health and Safety Specialist (OHS specialist) was hired in July 2012 to coordinate the AEOHP. The OHS specialist reports directly to the PACUC Administrator.**

- i. All individuals at Purdue University who have exposure to animals are given the opportunity to participate or decline participation in the program. This includes exposure to animals by way of handling, feeding, cleaning, exposure to unfixed tissues, and exposure to animal wastes or bodily fluids.

**Generally, this includes:**

- **Veterinary staff of the Laboratory Animal Program**
- **Animal caretakers**
- **Animal technicians**
- **And the following people having animal exposure:**  
**Principal investigators, students listed on approved PACUC protocols, laboratory personnel, maintenance personnel/custodial personnel, PACUC members.**



It is the responsibility of the department, principal investigators, and facility managers to identify individuals who meet these criteria. If a person feels he/she should be included in the program, it is recommended they consult with their supervisor, department head, or the PACUC office.

**Note:** For students exposed to animals as part of their academic curriculum, PACUC insures that faculty members in charge of the course provide species-specific information on occupational health and safety, including but not limited to: allergies, zoonoses, potential hazards, workplace injuries, etc.

ii. Participation in the AEOHP is provided at no cost to the individual participant. The participant is required to do the following:

- Read all the information pertaining to the program provided on the PACUC/LAP website. This information includes precautions to be taken during pregnancy, illness, or immune-competence.
- Complete a risk assessment form that is used for evaluation of risk. A risk summary is then completed by the OHS specialist and/or biosafety officer and returned to the individual. The individual is asked to review the risk summary for their position.
- Individuals should then make the personal decision as to whether they want to participate in the AEOHP or decline participation. The Participation/Declination Form must be returned to the PACUC office.
- If an individual chooses to decline participation in the program, they are requested to fill out the Participation/Declination form and return it to the appropriate offices on either the West Lafayette Campus or the regional campuses.
- Whether or not an individual participates in the program, all eligible persons must read all the information at <http://www.purdue.edu/research/vpr/compliance/animals/occhealth.shtml> concerning risks and hazards associated with animal exposure and complete the medical questionnaire so that a risk assessment can be completed prior to declining participation.

iii. On-the-job injuries and illness must be reported to the person's supervisor, who will assist them in getting to a health care provider, if necessary.

iv. Work-related injuries must be reported to Radiological and Environmental Management within 48 hours on a First Report of Injury form available at <http://www.purdue.edu/rem/injury/froi.htm>

### **Control and Prevention Strategies**

As part of the risk assessment that is performed for each individual once the risk assessment form is returned, information is provided specific to their work environment. The risk summary will provide information on how to control and prevent exposure or injury. This includes information on appropriate safety equipment, personal protective equipment, ergonomics, and recommended vaccinations (e.g., tetanus, rabies, etc.).

### **Hazard Identification and Risk Assessment**

The risk assessment completed by an individual will be used to determine what hazards the person may be exposed to. These hazards will be identified by the OHS specialist and/or biological safety officer and the risk summary completed and returned to the individual.



### **Facilities, Equipment, and Monitoring**

Facilities for animal use are reviewed and approved by the Facilities Subcommittee of PACUC for appropriateness. Shower/changing/eye wash facilities are available at Purdue University.

Purdue's Animal Husbandry/Facilities Operations Manager is responsible for insuring that personnel within the centrally-managed animal facilities are equipped with proper equipment for performing their duties in a safe manner (e.g., cage changing stations, training on proper use of autoclave and cage washing equipment, etc.). Purdue also has non-centrally managed animal facilities/areas. It is the responsibility of the PACUC to insure these areas are educated about proper equipment for performing their duties in a safe manner

The OHS specialist annually coordinates with an ergonomic specialist within Radiological and Environmental Management to assess animal facility employees' work environment to insure a safe and efficient work atmosphere.

Anesthesia machines are checked on each PACUC inspection and are assigned to a particular inspector to insure the use of proper scavenging methods and upkeep of the machine.

### **Personnel Training**

Personnel are provided training via the risk summary form on proper safety to be used when working with animals. An Animal Safety Verification Form is also written based on approved PACUC protocols describing personnel safety and any special precautions that need to be taken by study personnel or animal facility personnel. These Animal Safety Verification Forms are composed by the OHS specialist or the biological safety officer and distributed to all personnel working on an animal protocol.

### **Personal Hygiene**

PACUC has an established guideline entitled, "Personal Hygiene and Attire in Animal Facilities." All facility and study personnel are expected to follow the guidelines stated below:

The following guidelines apply to laboratory animals housed or used on the Purdue University campus within laboratory animal facilities. These guidelines do not apply to agricultural animals housed on farms or to animals cared for by the Purdue University Veterinary Teaching Hospital or to students observing or handling animals as part of a course as these areas have their own individual requirements. Washing hands with soap and water or using an alcohol based hand rub after handling animals and before eating, applying cosmetics or smoking is always advised.

- A laboratory coat or disposable gown to be worn over street clothes or designated clothing such as surgical scrubs or coveralls should be worn whenever entering an animal housing area or whenever animals are handled.
- Laboratory coats or other designated clothing such as coveralls or surgical scrubs should not be worn outside of the animal facility or laboratory and where possible should be laundered at the animal facility. If laundering at the facility is not possible, placing soiled clothing in a sealed plastic bag for transportation would reduce the exposure to allergens of persons outside of the animal facility.
- Wearing a dust/vapor mask and latex or nitrile gloves can minimize the risk of development of animal allergies and exposure to zoonotic diseases.
- Personal items such as but not limited to coats, backpacks, and hats should not be taken into animal-housing areas.



- Shoe covers or rubber boots may be needed in areas where animal waste or potential pathogenic organisms may be carried from one animal area to another on foot wear.
- Wash hands with soap and water or decontaminate hands with an alcohol based hand rub after handling animals and before eating, applying cosmetics, or smoking.

#### **Animal Experimentation Involving Hazards**

The Institutional Biosafety Committee (IBC) requires that a protocol be submitted for review and approval prior to initiating any work with animals involving biohazardous agents or recombinant DNA. This is in addition to PACUC approval. Radiological and Environmental Management's (REM) web site has many university policies and procedures that cover biological, chemical, and physical agents.

#### **Personal Protection**

Personal Protection Equipment (PPE) is provided for entering animal rooms – to include masks, gowns, hair and shoe covers, gloves, pants, hearing protection as appropriate. Shower/Change facilities are available at Purdue.

#### **Medical Evaluation and Preventive Medicine**

Promotion of early diagnosis of allergies to animals and airborne allergens or any pre-existing conditions of allergies are included in the occupational health and safety examination. Confidentiality and legal factors in the medical record keeping are the responsibility of occupational health center being used and all medical information is kept at their facilities. Information regarding serum collection and testing of blood and serum for titer are also kept at the occupational health center.

Hearing protection is provided in high noise areas. Signage, testing, and training is currently being reviewed by the OHS specialist and will be part of the assessment for the individual animal facilities and animal use areas. Respiratory protection is provided when necessary to all individuals.

Wildlife field studies do occur under PACUC approved protocols. These are reviewed by biosafety officers as well as a panel of reviewers to insure that all precautionary measures are taken for working with these particular animals. All screening is reviewed as well as PPE and associated training in the handling and maintaining of specimens collected.

#### **Non-human Primates**

**There are no non-human primates at Purdue University.**

- F. The total gross number of square feet in each animal facility (including each satellite facility), the species of animals housed there and the average daily inventory of animals, by species, in each facility is provided in the attached Facility and Species Inventory table.

**See attached table.**

- G. The training or instruction available to scientists, animal technicians, and other personnel involved in animal care, treatment, or use is as follows:

**The training or instruction available to scientists, animal technicians, and other personnel involved in animal care and use at Purdue is reviewed and evaluated by the PACUC Educational Subcommittee. This subcommittee advises the PACUC and the LAP about program training needs and how best to meet them. A Training Coordinator plans and executes a comprehensive training program for the Institution. A summary of current training efforts is presented:**



**The LAP staff, in particular the LAP Training Coordinator, offers training sessions on a regular (i.e., usually multiple times per week) basis. Using a hands-on laboratory or “brown-bag”, webinar, e-mail with link to educational news articles, or other similar format, the training sessions attempt to accomplish five objectives:**

**Supplement “on-the-job training” with an institution-sponsored discussion and training program that is specific to the animal care and use activity of each individual and to the species with which they work.**

**Assist in ensuring that individuals caring for or using animals in teaching and/or research are qualified to do so, as required by the Animal Welfare Act and the Public Health Service Policy. An understanding of the behavior and natural habits of the species is an important step in providing quality training for individuals caring for our animals. The Guide notes that personnel using or caring for animals should participate regularly in continuing-education activities relevant to their responsibilities.**

**Assist individuals that express an interest in advancement in the field of laboratory animal science in preparing for the certification examination(s) of the American Association for Laboratory Animal Science (AALAS). The LAP Training Coordinator maintains copies of AALAS study materials that are available for “check out” to assist in compliance with individuals studying for the certification exams. Our centralized staff is provided with their own copy of (ALAT, LAT, or LATG) study materials and the training coordinator offers regular study sessions. The training coordinator is also involved in helping interested individuals working toward CMAR certification.**

**Facilitate discussion on various topics of animal care among the staff at Purdue.**

**Provide hands-on species specific technical training for students / grad students, etc. that will be utilizing animals in their research. The hands-on training is a major part of our training program. Each session begins with educating participants on normal behavior, safety; etc. Classes are limited in size so that individual attention can be provided to all participants. This allows quality training and an opportunity for the training coordinator to evaluate each participant. Training sessions are tailored to meet the needs of the audience and may cover a broad range of material including handling/restraint, basic injections, blood collection, tail vein catheter placement, oral gavage, isoflurane gas anesthesia, aseptic technique, wound closure/basic suturing, euthanasia, necropsy.**

**The PACUC publishes a quarterly newsletter that is distributed to animal use personnel at all levels. In this newsletter information about program developments, matters of regulatory compliance, animal welfare, occupational health and safety, and items of general interest from the community of animal users both within and outside of Purdue University is presented. Training opportunities are also advertised via the newsletter as well as a listserv.**

**The PACUC views the protocol review process as an educational opportunity the investigator. Thus, the committee provides feedback from its deliberations relating to the number of animals required, alternative approaches that reduce the number of animals required, methods to minimize pain and distress, and other topics.**

**PACUC conducts mandatory orientation of all new personnel that are involved with animal care and use activities at Purdue University. This orientation program can be completed by attending in-person or on-line. Attendees are informed of the functions and operations of the PACUC and the LAP; the U.S. government principles for the care and utilization of animals used in testing, research, and training; the university program for occupational health and safety; and how to report concerns about the care and use of animals at the University. Authorization to engage in animal care and use activities will not be permitted for personnel who fail to complete an orientation.**



Purdue uses the CITI (Collaborative Institutional Training Initiative) modules. The education subcommittee and members of the PACUC have reviewed the modules and agree the CITI modules provide a better source of information for all involved. The CITI modules provide quality species specific information as well as PACUC member education, reducing pain and distress, 3-R's, alternatives to animal research, aseptic surgery, supportive care and much more.

The Purdue Animal Care and Use Committee web site is accessible at the following address: <http://www.purdue.edu/animals>. This web site offers information on the protocol application, amendment form, animal supplement form, the occupational health program, the animal use qualification form, policies and guidelines of the PACUC and LAP, the PACUC Orientation Program, and several other areas of interest. The PACUC Handbook, which contains a detailed description of the PACUC's functions and policies, is also available at the web site. Links to the websites of OLAW, the Animal and Plant Health Inspection Service of the USDA, and AAALAC International, are also found at the PACUC Website. Purdue's goal is to utilize the website as a place where animal users and other personnel can find information and links to information about current developments specific to their particular animal care and use activities. In addition, this institution uses the "ListServ" capabilities of the internet to communicate rapidly new information to personnel that have common animal care and use interests.

Prior to beginning their participation on the PACUC, all new voting and non-voting members take part in an orientation meeting that is organized by the PACUC Administrator. At that meeting, new members receive copies of the Guide for the Care and Use of Laboratory Animals, the Guide for the Care and Use of Agricultural Animals used in Agricultural Research and Teaching, and a copy of USDA regulations contained in 9 CFR, Chapter 1. The PACUC Chair discusses and provides an overview of the contents and applicability of each of these documents. In addition, the Chair gives special attention to matters of maintaining confidentiality with regard to PACUC deliberations, the policy on conflict of interest, how to perform protocol reviews, and other topics.

The PACUC also provides continuing information and training to help PACUC members understand and evaluate the issues that are brought before the Committee. As one way of achieving that objective, a training session/retreat for PACUC members is held annually, if possible. In addition to a review of the mission and operations of the PACUC, the format of the retreat will typically include formal presentations. Invited talks are usually presented by individuals outside Purdue University who are recognized for their expertise on matters of current interest to the committee.

Presenters in 2014 and 2015 have provided presentations on:


Conflicts of Interest  
Data Collected Outside of an Approved Protocol  
Criteria for Protocol Review  
Importance of Pain Assessment in Animals  
Methods to Assess Pain in Different Species

Personnel working with vertebrate animals  
Training is documented by completion of an Animal Use Qualification Form (AUQ Form). This is a web-based form that personnel must complete documenting their qualifications and training to work with vertebrate animals. An individual's supervisor must approve this form prior to it being submitted to the PACUC office verifying that the person is qualified. These qualifications are then cross-referenced with the duties that are listed on protocol applications to determine if someone is adequately qualified to work with animals.



#### **IV. Institutional Program Evaluation and Accreditation**

All of this Institution's programs and facilities (including satellite facilities) for activities involving animals have been evaluated by the PACUC within the past 6 months and will be re-evaluated by the PACUC at least once every 6 months according to PHS Policy IV.B.1.-2. Reports have been and will continue to be prepared according to PHS Policy IV.B.3. All PACUC semiannual reports will include a description of the nature and extent of this Institution's adherence to the PHS Policy and the *Guide*. Any departures from the *Guide* will be identified specifically and reasons for each departure will be stated. Reports will distinguish significant deficiencies from minor deficiencies. Where program or facility deficiencies are noted, reports will contain a reasonable and specific plan and schedule for correcting each deficiency. Semiannual reports of the PACUC's evaluations will be submitted to the Institutional Official. Semiannual reports of PACUC evaluations will be maintained by this Institution and made available to the OLAW upon request.

- (1) This Institution is Category 1 — accredited by the [Association for Assessment and Accreditation of Laboratory Animal Care International \(AAALAC\)](#) . As noted above, reports of the PACUC's semiannual evaluations (program reviews and facility inspections) will be made available upon request.

#### **V. Recordkeeping Requirements**

- A. This Institution will maintain for at least 3 years:
  1. A copy of this Assurance and any modifications made to it, as approved by the PHS
  2. Minutes of PACUC meetings, including records of attendance, activities of the committee, and committee deliberations
  3. Records of applications, proposals, and proposed significant changes in the care and use of animals and whether PACUC approval was granted or withheld
  4. Records of semiannual PACUC reports and recommendations (including minority views) as forwarded to the Institutional Official, Howard Zelaznik.
  5. Records of accrediting body determinations
- B. This Institution will maintain records that relate directly to applications, proposals, and proposed changes in ongoing activities reviewed and approved by the PACUC for the duration of the activity and for an additional 3 years after completion of the activity.
- C. All records shall be accessible for inspection and copying by authorized OLAW or other PHS representatives at reasonable times and in a reasonable manner.

#### **VI. Reporting Requirements**

- A. The Institutional reporting period is the calendar year (January 1 – December 31). The PACUC, through the Institutional Official, will submit an annual report to OLAW by January 31 of each year. The annual report will include:
  1. Any change in the accreditation status of the Institution (e.g., if the Institution obtains accreditation by AAALAC or AAALAC accreditation is revoked)
  2. Any change in the description of the Institution's program for animal care and use as described in this Assurance
  3. Any change in the PACUC membership
  4. Notification of the dates that the PACUC conducted its semiannual evaluations of the Institution's program and facilities (including satellite facilities) and submitted the evaluations to the Institutional Official, Howard Zelaznik, Ph.D., Assoc. VP for Research, and Institutional Official.
  5. Any minority views filed by members of the PACUC
- B. The PACUC, through the Institutional Official, will promptly provide OLAW with a full explanation of the circumstances and actions taken with respect to:




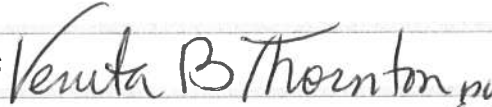
1. Any serious or continuing noncompliance with the PHS Policy
2. Any serious deviations from the provisions of the *Guide*
3. Any suspension of an activity by the PACUC

C. Reports filed under VI.A. and VI.B. above should include any minority views filed by members of the PACUC.



## VII. Institutional Endorsement and PHS Approval

<b>A. Authorized Institutional Official</b>	
Name: Howard Zelaznik, Ph.D.	
Title: Assoc. Vice President for Research/Institutional Official	
Name of Institution: Purdue University	
Address: (street, city, state, country, postal code)  610 Purdue Mall Hovde Hall West Lafayette, IN 47907	
Phone: (765) 494-6840	Fax: 765 496-2589
E-mail: hnzela@purdue.edu	
Acting officially in an authorized capacity on behalf of this Institution and with an understanding of the Institution's responsibilities under this Assurance, I assure the humane care and use of animals as specified above.	
Signature 	Date: 05/19/2017

<b>B. PHS Approving Official (to be completed by OLAW)</b>	
 <b>Dr. Venita B. Thornton - Senior Assurance Officer</b> <b>Office of Laboratory Animal Welfare</b> <b>National Institutes of Health</b> <b>6705 Rockledge Drive</b> <b>RK11, Suite 360, MSC 7982</b> <b>Bethesda, MD 20892-7982</b>	
Signature: 	Date: May 19, 2017
Assurance Number: D16-00147 (A 3231-01)	
Effective Date: May 19, 2017	Expiration Date: May 31, 2021



## VIII. Membership of the PACUC

Date: As of 12/31/16			
Name of Institution: Purdue University			
Assurance Number: A3231-01 (D16-00147)			
<b>PACUC Chairperson</b>			
Name*: Janice Kritchevsky			
Title*: Professor		Degree/Credentials*: VMD	
Address*: (street, city, state, zip code)			
410 S. University Street AHF Building West Lafayette, IN 47907			
E-mail*: sojkaje@purdue.edu			
Phone*: (765) 494-9144		Fax*: (765) 496-2415	
<b>PACUC Roster</b>			
Name of Member/ Code**	Degree/ Credentials	Position Title***	PHS Policy Membership Requirements****
1	M.S.	Manager	One-to-one alternate voting member
2	M.S.	Director of Research Regulatory Compliance	One-to-one alternate voting member
3	Ph.D.	Assoc. Professor	Voting Member, Scientist
4	B.S.	Consultant, Tippecanoe County Historical Assoc.	Non-affiliated Voting Member
5	Ph.D.	Assoc. Professor	Voting Member, Scientist
6 William Ferner	DVM	Director	Attending Veterinarian, Voting Member
7	B.S.	Biosafety Officer	Voting Member
8	M.S.	Sponsored Projects Regulatory Administrator	One-to-one alternate voting member
9	B.S.	Vice President, Rose Acre Farms	Non-affiliated Voting Member
10 Janice Kritchevsky	VMD	Professor Chair, PACUC	Voting Member, Scientist
11	Ph.D.	Asst. Professor	Voting Member, Scientist
12	DVM	Clinical Veterinarian	Voting Member
13	Ph.D.	Assoc. Professor	One-to-one alternate voting member, Scientist
14	Ph.D.	Asst. Professor	Voting Member, Scientist
15	Ph.D.	Assoc. Professor	Voting Member, Scientist



16	DVM	Clinical Veterinarian	Voting Member
17	Ph.D.	Professor, Asst. Dept. Head	Voting Member, Scientist
18	B.S.	Research Associate	Voting Member, Scientist
19	Ph.D.	Asst. Professor	Voting Member, Scientist
20	Ph.D.	Assoc. Professor	Voting Member, Scientist
21	Ph.D.	Professor of English	Voting Member, Non-scientist
22	Ph.D.	Assoc. VP for Research/IO	Ex-officio Member
23	B.S.	Senior R&R Manager	Non-voting Member
24	B.S.	Supervisor	Non-voting Member
25	M.S.	Coordinator, ASREC	Non-voting Member
26	B.S.	Supervisor	Non-voting Member
27	Ph.D.	Asst. Professor	Non-voting Member
28	CPIA	PACUC Administrator	Ex-officio Member
29	B.S.	Manager, ASREC Beef	Non-voting Member
30	B.S.	Manager, ASREC POUL	Non-voting Member

\* This information is mandatory.

\*\* Names of members, other than the chairperson and veterinarian, may be represented by a number or symbol in this submission to OLAW. Sufficient information to determine that all appointees are appropriately qualified must be provided and the identity of each member must be readily ascertainable by the institution and available to authorized OLAW or other PHS representatives upon request.

\*\*\* List specific position titles for all members, including nonaffiliated (e.g., banker, teacher, volunteer fireman; not "community member" or "retired").

\*\*\*\* [PHS Policy](#) Membership Requirements:

*Veterinarian*      veterinarian with training or experience in laboratory animal science and medicine or in the use of the species at the institution, who has direct or delegated program authority and responsibility for activities involving animals at the institution.

*Scientist*          practicing scientist experienced in research involving animals.

*Nonscientist*      member whose primary concerns are in a nonscientific area (e.g., ethicist, lawyer, member of the clergy).

*Nonaffiliated*      individual who is not affiliated with the institution in any way other than as a member of the PACUC, and is not a member of the immediate family of a person who is affiliated with the institution. This member is expected to represent general community interests in the proper care and use of animals and should not be a laboratory animal user. A consulting veterinarian may not be considered nonaffiliated.

*[Note: all members must be appointed by the CEO (or individual with specific written delegation to appoint members) and must be voting members. Non-voting members and alternate members must be so identified.]*



## IX. Other Key Contacts (optional)

If there are other individuals within the Institution who may be contacted regarding this Assurance, please provide information below.

<b>Contact #1</b>	
Name: Lisa Snider, CPIA	
Title: PACUC Administrator	
Phone: (765) 494-7206	E-mail: ldsnider@purdue.edu
<b>Contact #2</b>	
Name Janice Kritchevsky, VMD	
Title: PACUC Chair	
Phone: (765) 494-9163	E-mail: sojkaje@purdue.edu



\*Note – The following areas / facilities follow the standards of the Ag Guide: Veterinary Medicine Equine Health Sciences Building, Health Sciences Building Annex, Veterinary Farm and associated paddocks; Animal Sciences Research and Extension Center Beef Unit Calvert and Scholer Farms, Dairy Unit, Sickle Farm, Poultry Unit, Sheep Unit, Swine Unit; Feldun-Purdue Agricultural Center; Southern Indiana-Purdue Agricultural Center; USDA Livestock Behavioral Unit. All other areas / facilities are maintained following the standards of the Guide.

<b>Location (building/site/farmname*)</b>	<b>Approx. sq. ft./m (acreage) animal housing</b>	<b>Approx. sq. ft./m (acreage) support/procedure space</b>	<b>Species Housed</b>	<b>Approx. Daily Animal Census by Species</b>
Animal Sciences (ANSC)	7,352 sq. ft.	3,257 sq. ft.	Mice Rats Swine Sheep Poultry	468 cages 43 6 <1 623
Bindley Biosciences (BIND)	1,311 sq. ft.	3,269 sq. ft.	Mice Rats	753 cages 159
Biological Sciences (BIOL)	8,892 sq. ft.	2,000 sq. ft.	Mice Rats Birds Fish Frogs Poultry	1,839 cages 17 150 7,770 30 <1
Biomedical Engineering (BME)	672 sq. ft.	1,150 sq. ft.	Mice Rats Guinea Pigs Rabbits Fish	122 cages 68 16 6 670
Hansen Cancer Research Center (HANS)	988 sq. ft.	859 sq. ft.	Mice	218
Nutrition Science (NS)	1,021 sq. ft.	2,147 sq. ft.	Mice Rats Chinchillas	64 cages 53 24
Peirce Rodent Room (PRCE)	476 sq. ft.	0 sq. ft. (located at other EVPRP units)	Rats	42
Pharmacy (PHAR)	3,300 sq. ft.	2,000 sq. ft.	Mice Rats	242 cages 6
Veterinary Medicine (VET MED) (Animal Holding Facility/AHF, DOYLE, VLAB, VPTH, ISO2, EHSA, EHSB, Non-EVPRP Fish Rooms)	17,814 sq. ft.	13,662 sq. ft.	Mice Rats Guinea Pigs Rabbits Dogs Swine Sheep Horses Cows Poultry	153 cages 57 23 3 17 13 20 7 5 14



			Fish	570 1, 3 or 10 L Tanks
ASREC Beef Unit Calvert Farm	255,677 sq. ft. 168 acres	15,739 sq. ft.	Cattle	400 (range 250-700)
ASREC Beef Unit Scholer Farm	32,706 sq. ft. 524 acres.	13,052 sq. ft.	Cattle	445
ASREC Dairy Unit	40,412 sq. ft.	21,271 sq. ft.	Dairy Cattle	273
ASREC Dairy Unit Sickie Farm (Contract Heifer Rearing Facility)	5,360 sq. ft. 70 acres	8,000 sq. ft.	Dairy Cattle	139
ASREC Poultry Unit	31,706 sq. ft.	12,844 sq. ft.	Poultry	2,690
ASREC Sheep Unit	8,837 sq. ft. 55 acres	10,331 sq. ft.	Sheep	365
ASREC Swine Unit	59,276 sq. ft.	17,864 sq. ft.	Swine	2,000
Psychological Sciences (PSYC)	3,228 sq. ft.	4,815 sq. ft.	Mice Rats Pigeons	539 cages 239 56
Clinical Discovery Laboratory (CDL) (primarily pre and post procedure housing)	895 sq. ft.	1,597 sq. ft.	Swine Sheep Rabbits	2 2 <1
Blood Donor Ward	245 sq. ft.	N/A Vet Teaching Hospital	Dogs	2
Lynn Hall Student Surgery (primarily pre and post spay-neuter housing for non-Purdue owned Humane Society animals)	768 sq. ft.	2,673 sq. ft.	Humane Society Dogs & Cats	Varies
Forestry Building Room 113 (FORS 113)	378 sq. ft.	0 sq. ft.	Fish	263
Fish Aquaponics	Portion of Horticulture Greenhouse	0 sq. ft.	Fish	108
Aquaculture Research Laboratory (AQUA)	5,550 sq. ft. 12-1/4 acre ponds	1,491 sq. ft.	Fish Amphibian	8,494 214
Wildlife Animal Care Facility (WACF)	670 sq. ft.	261 sq. ft.	Tadpoles	
Carnivore Kennel Facility	555 sq. ft.	0	Skunks	9
Biological Sciences, Ross Aviaries	498 sq. ft. Flight Pens	N/A – have access to classroom space for feed storage	Wild Birds	130
Veterinary Medicine Farm (PVF) & Campus Paddock	3,456 sq. ft. 30 acres	1,104 sq. ft.	Horses Cattle Alpacas	25 9 2
Feldun Purdue Agricultural Center (FPAC)	8480 sq. ft. 510 acres 240 acre rental	N/A	Cattle	476 (+300 Bull Test)



Southern Indiana Purdue Agricultural Center (SIPAC)	11,270 sq. ft. 532 acres	11,270 sq. ft.	Cattle Goats	184 150
USDA Livestock Behavioral Research Unit (LBRU)	1,344 sq. ft.	11,656 sq. ft.	Swine Poultry	6 13
Fort Wayne Campus (IPFW) (LSRC, LA, SB, MEC BLDGS)	3,395 sq. ft.	4,342 sq. ft.	Mice Rats Fish Reptiles	765 217 115 2
Calumet Campus (CAL)	241 sq. ft.	0	No animals housed.	0
North Central Campus (NCEN)	100 sq. ft.	0	No animals housed.	0